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**PRINCE WILLIAM SOUND GENERAL DISTRICTS 1979 BROOD
YEAR PINK (Oncorhynchus gorbuscha) AND CHUM SALMON
(O. keta) AERIAL AND GROUND ESCAPEMENT SURVEYS AND
PRE-EMERGENT FRY INDEX PROGRAM**

By:
Ralph B. Pirtle
and
Michael L. McCurdy

1980

ALASKA DEPARTMENT OF FISH AND GAME
Support Building, Juneau, Alaska 99801

Ronald O. Skoog
Commissioner

ADF&G TECHNICAL DATA REPORTS

This series of reports is designed to facilitate prompt reporting of data from studies conducted by the Alaska Department of Fish and Game, especially studies which may be of direct and immediate interest to scientists of other agencies.

The primary purpose of these reports is presentation of data. Description of programs and data collection methods is included only to the extent required for interpretation of the data. Analysis is generally limited to that necessary for clarification of data collection methods and interpretation of the basic data. No attempt is made in these reports to present analysis of the data relative to its ultimate or intended use.

Data presented in these reports is intended to be final, however, some revisions may occasionally be necessary. Minor revision will be made via errata sheets. Major revisions will be made in the form of revised reports.

PRINCE WILLIAM SOUND GENERAL DISTRICTS 1979 BROOD YEAR
PINK (*ONCORHYNCHUS GORBUSCHA*) AND CHUM SALMON (*O. KETA*)
AERIAL AND GROUND ESCAPEMENT SURVEYS AND PRE-EMERGENT
FRY INDEX PROGRAM

By

Ralph B. Pirtle
Area Management Biologist

and

Michael L. McCurdy
Research Project Leader

Alaska Department of Fish and Game
Division of Commercial Fisheries
Cordova, Alaska 99574

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PREFACE

This is the fourth of an annual series of data reports concerning Prince William Sound pink and chum salmon spawning escapement surveying and pre-emergent fry indexing programs.

The intent of the report is to consolidate all of the data resulting from the above programs for the convenience of Department staff and resource users.

INTRODUCTION

This report is the fourth in an annual series that presents data gathered on Prince William Sound, Alaska (Figure 1) pink salmon (*Oncorhynchus gorbuscha*) and chum salmon (*O. keta*) adult returns. The report will present for the 1979 brood year: (1) aerial and ground escapement estimates and (2) pre-emergent fry indices.

The aerial and ground escapement surveys are presented by district, stream number and name, and date. Pre-emergent salmon fry data are presented by stream name and number, date, and sample zone.

Aerial and ground escapement surveys have been conducted in Prince William Sound since the mid-1920's, while pre-emergent fry studies were initiated in the late 1950's. Since Alaska statehood, these two programs have provided the basis for pink and chum salmon management in Prince William Sound.

METHODS AND MATERIALS

See Alaska Department of Fish and Game Technical Data Report No. 51 for methods and materials used for the programs presented in this report.

RESULTS

Aerial and Ground Salmon Escapement Surveys

Weekly estimates from both aerial and ground counts, cumulative weekly total counts, and calculated season totals by stream and district are shown in Appendix A for pink salmon and in Appendix B for chum salmon.

District summaries by week, cumulative weekly totals by district, and calculated season total for Prince William Sound is given at the end of the district summaries for both pink and chum salmon.

Pink Salmon:

The estimated total spawning escapement of 2,927,290 pink salmon in 1979 is the largest pink salmon spawning escapement recorded for Prince William Sound streams. The escapement is 48.8% above the desired upper escapement (1.5 million) and 57.3% above the desired minimum escapement of 1.25 million fish.

Aerial spawning escapement surveys were flown weekly throughout the season and escapements were generally above average to excellent except for some of the northern and northwestern streams of Prince William Sound. As the season progressed and fishing pressures concentrated in the Hawkins Cutoff

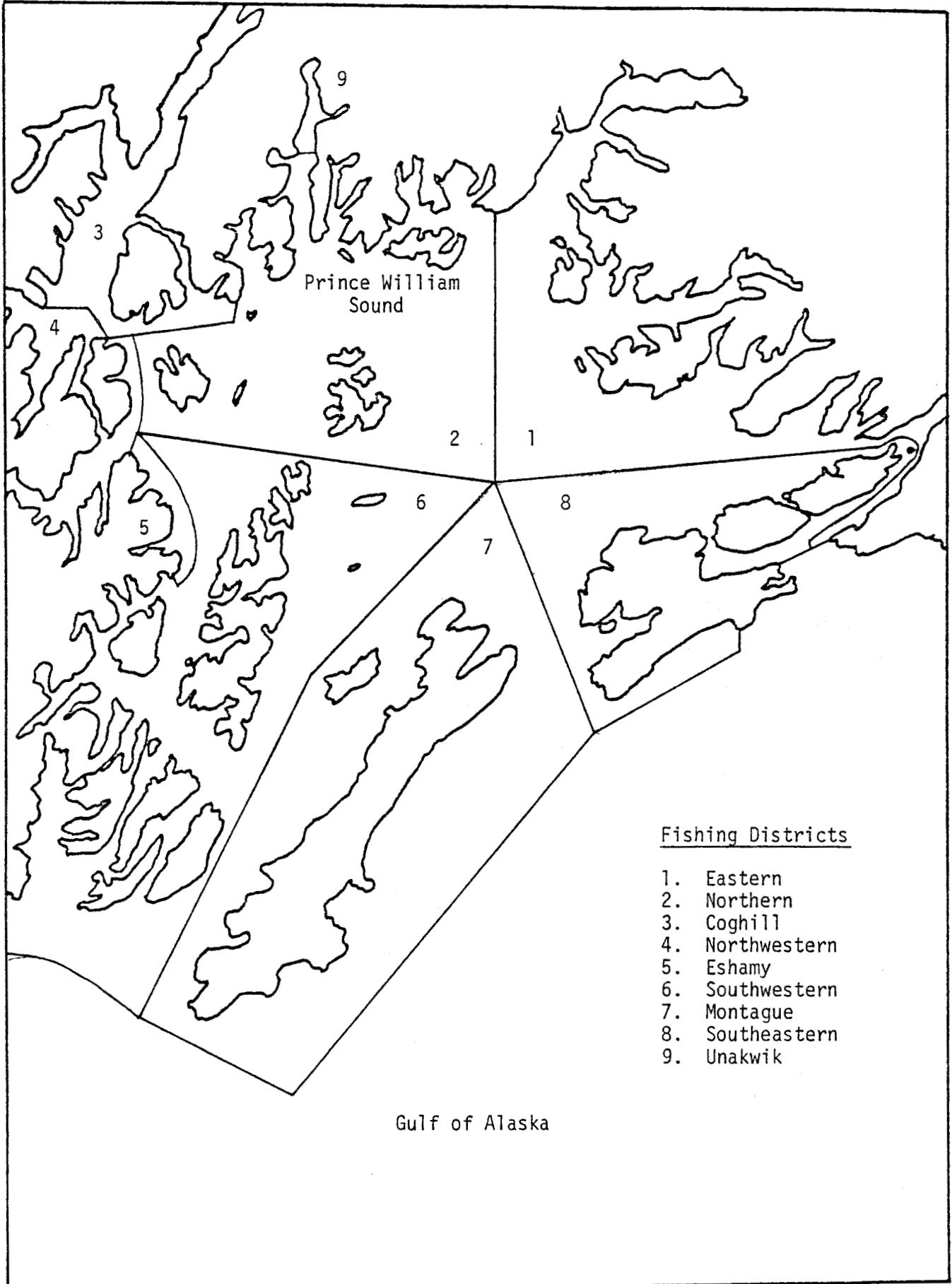


Figure 1. General districts, Eshamy and Unakwik districts commercial fisheries management areas, Prince William Sound.

and north shore Hawkins Island area, it was necessary to make two adjustments in fishing areas to allow additional escapement to three specific streams. Pink salmon spawning escapement distribution in the Northern, Coghill, and Northwestern Districts were poor with the major portion of the escapement to these districts being located in four streams.

Indications obtained from catch and spawning escapement distribution show that the major portion of the returning pink run was produced in the southern one-half of Prince William Sound and primarily in the 1964 earthquake uplift zone. There were exceptions as previously mentioned in the Northern District. Jonah Creek and Wells River contained about 164,000 pinks or 73% of the total Northern District escapement. Shrode Creek in the Northwestern District had a pink escapement of 138,300 which represent 79% of the district escapement.

Pink salmon spawning escapement estimates are presented in Table 1. The Northwestern and Coghill Districts were the only areas that did not receive the minimum desired escapement level. All other districts received excellent pink salmon spawning escapements and exceeded the upper desired level in all cases. The Southeastern District received a fantastic number of pink salmon spawners; surprisingly, the streams did not appear overcrowded as distribution in the streams was excellent with pinks spawning from tidewater to the uppermost reaches of the streams. This characteristic is common for odd-year pink spawners which have a tendency to utilize the entire accessible stream area, particularly during years of abundance.

Because the spawning escapements were assured, the general seine season was allowed to remain open until 28 August which resulted in the longest Prince William Sound fishing season since 1928.

All segments of the pink run were strong with the middle run making up the major portion of the return.

Appendix A shows the tabulated results of the 1979 aerial and ground escapement surveys.

Chum Salmon:

Chum salmon returns of about 421,720 were approximately 117% of the forecast point estimate of 360,000. This return indicated good survival from the parent brood year 1975 which had a poor escapement of 46,760 fish. Considering the better than average return of recent years, the resulting spawning escapements ranged from poor to nothing in the Montague District. The 1979 escapements were skewed to the northern and eastern portions of Prince William Sound which is similar to the parent brood year 1975 escapements.

The chum salmon escapement distribution in 1979 shows that the northern and eastern streams of Prince William Sound produced about 95% of the returning chums. This distribution is similar to the parent brood year which had 96% of the chums produced in the northern and eastern mainland streams. Some improvement over the parent brood year was realized in the

Table 1. Estimated pink salmon spawning escapements by district, Prince William Sound, 1979.

District	PINK SALMON Desired Escapement		Estimated Escapement
Eastern	403,750	-	484,500
Northern	140,000	-	168,000
Northwestern and Coghill	262,500	-	315,000
Southwestern and Esham	112,500	-	135,000
Montague	106,250	-	127,500
Southeastern	225,000	-	270,000
TOTAL	1,250,000	-	1,500,000
			2,927,290

Southeastern District, although escapements were considerably less in the Southwestern District. The Montague District had no observed chum salmon spawning escapement for the third consecutive year.

Table 2 shows the 1979 Prince William Sound estimated chum salmon spawning escapement by district and comparisons with desired escapement ranges.

Appendix B shows the tabulated results of the 1979 aerial and ground escape-
ment surveys.

Salmon Pre-emergent Fry Index

The 1979 brood year index program was initiated 17 March and ended on 31 March 1980. A total of 34 streams were sampled which involved taking, 1,148 individual samples. High water flows and snow cover precluded the taking of 74 additional samples on the above streams. The purpose of this program is to provide a pre-emergent fry abundance index for pink and chum salmon. This index provides the basis for annual Prince William Sound forecasts of adult pink and chum returns.

Table 3 compares the 1979 brood year pink salmon pre-emergent fry indices with odd-year averages and chum salmon with all years averages. Only post 1964 earthquake years are used in these comparisons.

Appendix C shows the program results for the 1979 brood year. Figures in parentheses in the far right hand column represent the scheduled square footage to be sampled; the figures to their immediate left represent the actual square footage sampled. This smaller figures was due to samples that were unobtainable due to high water flows or streambed snow cover.

For the second year, samples of pre-emergent fry were taken and preserved for condition factor studies. These samples were taken from intertidal and upstream zones of both pink and chum salmon forecast streams. The purpose of this project is to determine what physical differences, if any, exists between intertidal and upstream fry and how this difference might be used as an aid in forecasting annual returns.

Pink Salmon:

Of the 34 streams indexed, 18 were above their odd-year average, 1 was approximately even, and 15 were below their odd-year average index. The main areas of weakness were located in the Northern, Southwestern, and Montague Districts.

One of the main reasons that so many of the streams exhibited lower than average indices, considering the very large brood year escapements, was intertidal gravel scouring caused by the flooding that occurred in the fall and early winter of 1979. In almost every stream there was noticeable gravel movement when compared to the previous year's observations. Streams that seemed to fair the best were those with larger spawning gravels; an example of this was Duck River where the only observable evidence of flooding was large amounts of detritus (spruce needles, small sticks) that were

Table 2. Estimated chum salmon spawning escapements by district, Prince William Sound, 1979.

District	CHUM SALMON		Estimated Escapement
	Desired Escapement		
Eastern	87,200 - 109,000		57,450
Northern	29,400 - 36,750		17,040
Northwestern & Coghill	48,600 - 60,750		18,660
Southwestern & Esham	3,400 - 4,250		80
Montague	11,400 - 14,250		0
Southeastern	20,000 - 25,000		4,450
TOTAL	200,000 - 250,000		97,680

Table 3. Comparison of odd-year pink salmon and all years chum salmon live pre-emergent fry indices for brood years 1965-1978 with brood year 1979 pre-emergent fry indices in fry per square meter, Prince William Sound.

Stream Name and Number	PINK SALMON			CHUM SALMON		
	Total Live Fry Indexed ¹	Average ¹	Brood Year 1979 ¹	Total Live Fry Indexed ¹	Average ¹	Brood Year 1979 ¹
Humpy Creek, #11	1,173	168	359	2	---	---
Koppen Creek, #35	1,347	168	192	924	66	0
Control Creek, #52	4,836	604	759	471	34	12
Whalen Creek, #80	120	15	18	21	2	0
Sunny River, #87	824	103	27	2,575	184	411
Gladough Creek, #106	620	155	157	2	---	---
Duck River, #116	5,230	654	1,022	3,526	252	62
Indian Creek, #117	3,675	459	641	2,252	161	276
Gregorieff Creek, #123	2,016	252	84	1,408	101	22
Gorge Creek, #131	1,242	248	160	1,511	108	53
Sawmill Creek, #133	691	86	213	9,177	656	50
Stellar Creek, #153	2,916	364	328	2,018	144	36
Unakwik Creek, #265	1	< 1	7	50	4	0
Blackbear Creek, #276	456	65	0	1,329	95	33
Coghill River, #322	3,367	421	460	463	36	0
Mill Creek, #421	466	67	78	1,434	110	139
Meacham Creek, #430	2,102	263	420	379	29	33
Paulson Creek, #455	933	117	78	1,243	96	0
Mink Creek, #480	1,457	182	374	464	36	0
Erb Creek, #604	1,981	248	123	6	0	1
Totemoff Creek, #621	3,012	430	328	2	---	---
Bainbridge Creek, #630	1,134	142	291	3	0	0
Claw Creek, #632	1,247	178	342	2	---	---
Falls Creek, #673	2,143	357	67	2	---	---
Hayden Creek, #677	1,767	442	50	2	---	---
McLeod Creek, #707	316	53	0	0	0	0
Wilby Creek, #745	214	27	1	0	0	0
Cabin Creek, #747	823	165	56	0	0	0

(Continued)

Table 3. Comparison of odd-year pink salmon and all years chum salmon live pre-emergent fry indices for brood years 1965-1978 with brood year 1979 pre-emergent fry indices in fry per square meter, Prince William Sound (continued).

Stream Name and Number	PINK SALMON			CHUM SALMON		
	Total Live Fry Indexed ¹	Average ¹	Brood Year 1979 ¹	Total Live Fry Indexed ¹	Average ¹	Brood Year 1979 ¹
Shad Creek, #749	1,147	164	0	2	---	---
Pautzke Creek, #775	1,276	182	594	1,236	103	0
Constantine Creek, #815	934	117	285	491	38	0
Cook Creek, #828	1,835	262	101	390	30	0
Canoe Creek, #850	1,210	151	231	157	12	0
Bernard Creek, #861	1,530	191	282	50 ³	4	0

¹ Rounded to the nearest whole fish.

² Chum salmon not present in this stream.

³ Chum salmon found in this stream for brood year 1978.

found when the fry index was taken. Overall, the upstream areas seemed relatively undisturbed.

Chum Salmon:

A total of 27 streams were indexed for chum salmon pre-emergent fry abundance. Only four of these stream exhibited above average abundance. These streams were Sunny River, Indian Creek, Mill Creek, and Meacham Creek.

It is expected that chum salmon production was severely impacted by last year's fall and early winter rains as the brood year escapement was small and a large percentage of these fish spawn in intertidal zones.

APPENDIX A

Pink salmon escapement estimates by stream and district, cumulative weekly totals by streams, and calculated season totals by stream and district.

A recapitulation by district, week, and season total estimated spawning escapement is given at the end of district totals.

Appendix Table A. Weekly estimate of live pink salmon in Prince William Sound spawning streams, by management district, 1979.

District: Eastern		WEEK ENDING DATES															Cum. Weekly Totals	Cal. Season Totals EW+2.5
Stream Number	Stream Name or Location	6/16	6/23	6/30	7/7	7/14	7/21	7/28	8/4	8/11	8/18	8/25	9/1	9/8	9/15	9/22		
2	Hartney Creek	0*	0*	0*	550*	1090*	2180*	4350	3950*	3550	2660*	1760	880*	440*	220*	110*	21740	8700
5	Eccles Creek	0*	0*	0*	0*	0*	0*	10	220*	420	980*	1530	770*	380*	190*	100*	4600	1840
8	Fleming Creek	0*	0*	0*	0*	0*	0*	0	0*	10*	20*	40	20*	0*	0*	0*	90	40
11	Humpy Creek	0*	0*	0	100	1300	2500	6500	5330	4380*	3420	3200	2150	550	280*	140*	29850	11940
19	Twin Lakes Creek	0*	0*	0	0	0	0	0	70*	140*	280	300	150	350	180*	90*	1560	620
20	Spring Creek	0*	0*	0	0	150	1000	1500	1280*	1060*	840*	620*	400*	170	80*	40*	7140	2860
21	Rogue Creek	0*	0*	0	500	1500	5000	5500	4500	3230*	1960	1500	140	150	80*	40*	24100	9640
23	Chase River	0*	0*	0	0	1100	1200	3500	4000*	3230*	2460*	1700	1180	650	320*	160*	19500	7800
35	Koppen Creek	0*	0	2500	22500	35000	28020	41000	39250*	37500*	35750*	34000	14820	15000	7500*	3750*	316590	126640
36	Sheep River	0*	0*	200	550	2600	7000	8500	8000*	4000*	5550*	7100	8800*	10500	5250*	2630*	70680	28270
37	Allen Creek	0*	0*	0	0	0	0	0	170*	330*	650	900	380	350	180*	90*	3050	1220
41	Pass Creek	0*	0*	0	0	0	0	0	0*	0*	0	150	150*	0	0*	0*	300	150
46	Comfort Creek	0*	0*	0	1300	2100	2000	2300	6000*	4770*	3540*	2300	1150*	580*	290*	150*	26480	10590
48	Beartrap River	0*	0	200	4000	5600	5530	8500	6480	7560*	8640	11000	5170	2860*	1430*	720*	67690	27080
49	Cataract Creek	0*	0*	0*	0	100	500	300	600*	450*	300*	150	80*	40*	0*	0*	2520	1010
51	Olsen Creek	0*	0	4800	20000	23700	25980	53000	23290	22510*	21730	10000	4870	4000	2000*	1000*	216880	86750
52	Control Creek	0*	0	0	1400	3300	5220	15490#	11710*	7930*	4150	7500	3600	3000	1500*	750*	70330	28130
54	Carlsen Creek	0*	0*	0	400	1200	2500	2500	2890	3470*	4040	2500	1010	50	0*	0*	20560	8220
56	St. Matthews Cr.	0*	0*	0	0	2500	1500	6500	2280	2090*	1900	4900	4800	5000	2500*	1250*	35220	14090
71	Two Moon Bay-West	0*	0*	0*	0*	0*	0	0*	10*	100*	230*	350	300*	250	130*	60*	1430	570
72	Two Moon Creek	0*	0*	0*	0*	0*	0	0*	100*	200*	350*	500	280*	50	0*	0*	1480	590
73	Tundra Creek	0*	0*	0*	0*	0*	0	0*	10*	100*	230*	350	250*	150	80*	40*	1210	480
76	Irish Creek	0*	0	0	200	12000	12060	31000	23880	18960*	14030	11000	4260	2300	1150*	580*	131420	52570
80	Whalen Creek	0*	0	900	12000	13000	16670	30000	14010	8390*	2770	1600	1710	800	400*	200*	102450	40980
83	Keta Creek	0*	0*	0*	3500*	7000	6000	22000	17370*	12740*	8110*	3500	2020	500	2000	1000*	85740	34300
87	Sunny River	0*	0*	0*	130*	250	300	2800	2520*	2240*	1960*	1700	2600*	3500	1750*	880*	20630	8250

* Interpolations.

Stream life factor of 4.0.
Ground counts.

Appendix Table A. Weekly estimate of live pink salmon in Prince William Sound spawning streams, by management district, 1979 (continued).

District: Eastern		WEEK ENDING DATES															Cum. Season Totals	Cal. Weekly Totals	EW+2.5
Stream Number	Stream Name or Location	6/16	6/23	6/30	7/7	7/14	7/21	7/28	8/4	8/11	8/18	8/25	9/1	9/8	9/15	9/22			
88	Short Creek	0*	0	0	0	900	1500	600	400*	200*	550*	900	600*	300	450*	230*	6630	2650	
89	Fish Creek	0*	0	0	5000	11000	9970	19000	10190	10250*	10300	13000	6440	3000	3500*	1750*	103400	41360	
92	Shale Creek	0*	0*	0	0	1000	800	1200	220	900*	1580	1500	260	150	80*	40*	7730	3090	
93	Kirkwood Creek	0*	0*	0	0	800	500	1500	630	910*	1190	1300	420	350	180*	90*	7870	3150	
94	Rock Creek	0*	0*	0	0	0	0	300	150*	80*	390*	700	480*	250	280*	140*	2770	1110	
99	Lagoon Creek	0*	0*	0	200	5900	5000	10200	2800	2800*	2750*	2700	1090	450	280*	140*	34310	13720	
106	Gladough Creek	0*	0*	0*	80*	150*	300	300*	290	210*	130	320*	500	250*	130*	60*	2720	1090	
107	Black Creek	0*	0*	0*	0*	30*	50	30*	0	60*	110	150*	190	100*	50*	0*	770	310	
115	Millard Creek	0*	0*	0	0	0	0	0	0	1170*	2340*	3500	1500	400	200*	100*	9210	2300#	
116	Duck River	0*	0*	0	0	0	100	0	0*	3670*	7340*	11000	17000*	23000	11500*	5750*	79360	31740	
117	Indian Creek	0*	0	4500	6500	4500	3000	5500	4350	2580*	810	3500	1450	1500	750*	380*	39320	15730	
120	Donaldson Creek	0*	0	0	0	200	300	800	240	370*	500	600	780	390*	200*	100*	4480	1790	
121	Levshakoff Creek	0*	0	0	20	1000	3000	4200	3750	4750*	5750	3300	2120	1060*	530*	270*	29750	11900	
123	Gregorieff Creek	0*	0	0	900	2000	2000	2340*	2680	2720*	2750	1700	2100	1050*	520*	260*	21020	8410	
127	Naomoff River	0*	0*	0*	1500*	3000	1500	4000	2500*	3330*	4160*	5000	2500*	1250*	620*	310*	29670	11870	
129	Vlasoff Creek	0*	0*	0	100	2800	2750*	2700	2700*	3300*	3900*	4500	2250*	1120*	560*	280*	26960	10780	
131	Gorge Cr., P.V.	0*	0	280*	550	930*	1500	1460*	1420	850*	270	180*	80	40*	0*	0*	7560	3020	
133	Sawmill Creek	0*	0	250*	500	1500*	2500	1930*	1350	1010*	670*	330*	10	0*	0*	0*	10050	4020	
143	Siwash Creek	0*	0*	10000*	20000	23080*	26160*	29230	20000*	10000*	5000*	2500*	1250*	600*	300*	150*	148270	59310	
148	Mineral Flats	0*	0*	150*	300	1280*	2250*	4500	4000*	3500*	1750*	880*	440*	220*	110*	50*	19430	7770	
152	Twin Falls Creek	0*	0*	0*	0*	0	0	0	0*	0*	200*	400	800*	1200	600*	300*	3500	1400	
153	Stellar Creek	0*	0	0	2200	4500	3000	5210*	7420	11240*	15050	13000	14040	3300	1650*	820*	81430	32570	
17**					3500**									500**					
45**														250**					
78**																			

* Interpolations.

Ground counts.

** Not included in totals.

Stream life factor of 4.0.

Appendix Table A. Weekly estimate of live pink salmon in Prince William Sound spawning streams, by management district, 1979 (continued).

<u>District: Eastern</u>		WEEK ENDING DATES													<u>Cum.</u>	<u>Cal.</u>		
Stream Number	Stream Name or Location	6/16	6/23	6/30	7/7	7/14	7/21	7/28	8/4	8/11	8/18	8/25	9/1	9/8	9/15	9/22	<u>Weekly Totals</u>	<u>Season Totals</u>
122**																	EW+2.5	
137**	Robe River & Lake							3500**									250**	
Eastern Totals		0	0	23780	104980	178060	191340	340250	243010	213260	168330	181110	118240	91600	50000	25000	1928960	782420

* Interpolations.

Ground counts.

** Not included in totals.

Appendix Table A. Weekly estimate of live pink salmon in Prince William Sound spawning streams, by management district, 1979 (continued).

District: Northern		WEEK ENDING DATES															Cum. Weekly Totals	Cal. Season Totals
Stream Number	Stream Name or Location	6/16	6/23	6/30	7/7	7/14	7/21	7/28	8/4	8/11	8/18	8/25	9/1	9/8	9/15	9/22	EW+2.5	
213	Bench Mark Creek	0*	0*	0*	0*	0	130	150	350	200*	50	50	0	0	0*	930	370	
214	Long Creek	0*	0*	0*	0*	0	2000	5000	7500	5370*	3240*	1100	610*	120	60*	0*	25000	10000
216	Vanishing Creek	0*	0*	0*	0*	0	800	700	350	200*	50	190	0	0	0*	0*	2290	920
217	Spring Creek	0*	0*	0*	0*	0	1000	500	1000	670*	340*	10	10*	0	0*	0*	3530	1410
221	Eickelberg Creek	0*	0*	0*	0*	0*	0	0	10	980*	1940	2000	40	0	0*	0*	4970	1990
224	Backyard Creek	0*	0*	0*	0*	0*	0	0	6500	8580*	10650	5500	4520	2260*	1130*	560*	39700	15880
227	Granite Creek	0*	0*	0*	0*	0*	0	0	0*	0*	0*	0	0*	0	0*	0*	0	0
229	Cedar Creek	0*	0*	0*	0*	80*	150	800	2500	1390*	270	50	10	0	0*	0*	5250	2100
234	Wells River	0*	0	1700	17500	45000	43000	50000	70000	48500*	27000*	5500	2930*	350	180*	90*	311750	124700
241	Cannery Creek	0*	0*	0*	0*	0*	0	1220	2170*	3120*	4070*	5000	2700*	400	200*	100*	18980	4750#
259	Jonah Creek	0*	0*	0*	0*	0	15400	37310*	59220	62480*	65740*	69000	44300*	19600	9800*	4900*	387750	38780#
264	Siwash River	0*	0*	0*	0*	0	10	1250*	2500	6680*	10860*	15030	10170*	5300	2650*	1330*	55780	22310
265	Unakwik Creek	0*	0*	0*	0*	0	0*	0*	0	110*	220	250	190	100*	50*	0*	920	370
276	Black Bear Creek	0*	0*	0*	0*	0*	0*	0	0	0*	0	0	0	0	0*	0*	0	0
277	Dead Creek	0*	0*	0*	0*	0*	0*	0	0	0*	0*	0	0*	0	0*	0*	0	0
278	Comeback Creek	0*	0*	0*	0*	0*	0*	0*	0	0*	0*	0	0*	0	0*	0*	0	0
279	Canyon Creek	0*	0*	0*	0*	0*	0*	0*	0	0*	0*	0	0*	0	0*	0*	0	0
282	Good Creek	0*	0*	0*	0*	0*	0*	0*	0*	0	0*	0	0*	0	0*	0*	0	0
283	Bad Creek	0*	0*	0*	0*	0*	0*	0*	0	0*	0*	0	0*	0	0*	0*	0	0
Northern Totals		0	0	1700	17500	45080	62490	96930	152100	138280	124430	103680	65480	28130	14070	6980	856850	223580

* Interpolations.

Ground counts.

Stream life factor of 4.0.

Appendix Table A. Weekly estimate of live pink salmon in Prince William Sound spawning streams, by management district, 1979 (continued).

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District: Coghill		WEEK ENDING DATES														Cum. Weekly Totals	Cal. Season Totals		
Stream Number	Stream Name or Location	6/16	6/23	6/30	7/7	7/14	7/21	7/28	8/4	8/11	8/18	8/25	9/1	9/8	9/15	9/22		EW+2.5	
303	Triple Creek	0*	0*	0*	0*	0*	0*	0	0	100*	200	150	270	140*	70*	40*	970	390	
307	Village Creek	0*	0*	0*	0*	0*	0*	0	80	360*	630	750	250	120*	60*	30*	2280	910	
310	Golden Lagoon	0*	0*	0*	0*	0*	0*	0	0*	0*	0*	0	0*	0*	0*	0*	0	0	
314	Avery River	0*	0*	0*	0*	0*	0*	0	0	0*	0*	0	0*	0*	0*	0*	0	0	
322	Coghill River (below weir)	0*	0*	1130*	2250*	4500*	9000*	18000	20000	30000*	40000*	50000	25000*	12500*	6250*	3130*	54880	13720#	
322	Coghill River (lake count)	0*	0*	0*	0*	0*	6250*	12500*	25000	17330*	9660*	2000	1000*	500*	250*	130*	74620	25000	
414	Harrison Creek	0*	0*	0*	0*	0*	0*	0	0	0*	80*	150	150	80*	40*	0*	500	200	
421	Mill Creek	0*	0*	0*	0*	0*	0*	0	0	10	130*	250	1700	490	240*	120*	60*	3000	1200
424	Old Creek	0*	0*	0*	0*	0*	50*	100	500	340*	180*	20	70*	0*	0*	0*	1200	480	
425	Hummer Creek	0*	0*	0*	0*	0*	0*	0	0	0*	30*	60	30*	0*	0*	0*	120	60	
428	Pirate Creek	0*	0*	0*	0*	0*	0*	0	0	0	260*	520	550	50	30*	0*	0*	1410	560
.430	Meacham Creek	0*	0*	0*	0*	0*	0	20	1580	2810*	4030	3400	3340	1670*	840*	420*	18110	7240	
432	Swanson Creek	0*	0*	0*	0*	0*	0*	0	3200	3440	4640*	5830	10500	7230	3620*	1810*	900*	41170	16470
417**	Hobo Creek												50**						
Coghill Totals		0	0	1130	2250	4500	15300	33820	50610	55970	61410	69280	37820	18900	9440	4710	365140	66230	

* Interpolations.

Ground counts.

** Not included in totals.

#Stream life factor of 4.0.

Appendix Table A. Weekly estimate of live pink salmon in Prince William Sound spawning streams, by management district, 1979 (continued).

District: Northwestern		WEEK ENDING DATES														Cum. Weekly Totals	Cal. Season Totals EW+2.5	
Stream Number	Stream Name or Location	6/16	6/23	6/30	7/7	7/14	7/21	7/28	8/4	8/11	8/18	8/25	9/1	9/8	9/15	9/22		
435	Logging Camp Cr.	0*	0*	0*	0*	0*	0*	0	0	230*	460*	910	460*	230*	120*	60*	2470	990
450	Tebenkof Creek	0*	0*	0*	0*	0*	150*	300	300	540*	770	700	130	70*	40*	0*	3000	1200
451	Blackstone Creek	0*	0*	0*	0*	0*	0*	0	30	30*	40*	50	100*	50*	30*	0*	330	130
454	Halferty Creek	0*	0*	0*	0*	0*	0*	0	20	780*	1540*	2300	1150*	580*	290*	150*	6810	2720
455	Paulson Creek	0*	0*	0*	0*	80*	150*	300	110	760*	1410	600	870	440*	220*	110*	5050	2020
458	Parks Creek	0*	0*	0*	0*	0*	0*	0*	0	30*	50*	100	50*	30*	0*	0*	260	100
469	Wickett Creek	0*	0*	0*	0*	0*	0*	0	0	650*	1290	820*	340	170*	80*	40*	3390	1360
471	Narrows Creek	0*	0*	0*	0*	0*	0*	0	0	0*	100*	50*	30*	0*	0*	0*	180	100
476	Shrode Creek	0*	0*	0*	0*	0*	0*	3500*	7000	37330*	67660*	98000	67500*	37000	18500*	9250*	345740	138300
479	Culross Creek	0*	0*	0*	0*	0*	50*	100	1500	1050*	610	1200	0	50	30*	0*	4590	1840
480	Mink Creek	0*	0*	0*	0*	0*	0*	0	2000	5680*	9350	6500	3250	4500	2250*	1130*	34660	13860
484	Finger Creek E.	0*	0*	0*	0*	0*	0*	0*	0	140*	280	250	330	120	60*	30*	1210	480
485	Finger Creek W.	0*	0*	0*	0*	0*	0*	250*	500	930*	1350	2500	2760	1100	550*	280*	10220	4090
493	Most Creek	0*	0*	0*	0*	0*	0*	0*	0	110*	220	300	130	0	0*	0*	760	300
495	Chimevisky Lag.	0*	0*	0*	0*	0*	0	0	3000	2580*	2150	2500	1430	300	150*	80*	12190	4880
498	McLure Creek	0*	0*	0*	0*	0*	0*	0	0	550*	1100*	2200	1400*	600	300*	150*	6300	2520
Northwestern Totals		0	0	0	0	80	350	4450	14460	51390	88380	118980	79930	45240	22620	11280	437160	174890

* Interpolations.
Ground counts.

Appendix Table A. Weekly estimate of live pink salmon in Prince William Sound spawning streams, by management district, 1979 (continued).

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District: Eshamy		WEEK ENDING DATES															Cum. Weekly Totals	Cal. Season Totals
Stream Number	Stream Name or Location	6/16	6/23	6/30	7/7	7/14	7/21	7/28	8/4	8/11	8/18	8/25	9/1	9/8	9/15	9/22		
506	Loomis Creek																10@	
507	Gumboot Creek																280@	
508	North Shore, Eshamy Lagoon																260@	
510	Elishansky Creek																2870@	
511	Eshamy River (below weir)	0*	0*	130*	260*	300*	360*	830*	1280*	1610*	1900*	1440*	850*	2600*	1300*	0*	12860	5140
511	Eshamy River (weir count)	0	0	0	0	1	0	1	0	465	1943	961	495+	403°	34°	0°	4300=	4300
**	Main River																	
Eshamy Totals		0	0	150	290	380	1220	2500	2080	3110	5010	3680	2270	3460	1560	120	25830	12860@

District: Southwestern

601	Paddy Creek	0*	0*	0*	0*	0*	0*	0*	0	300*	540	400	430*	450	220*	110*	2500	1000
602	Nacktan Creek	0*	0*	0*	0*	0*	0*	0	100*	200*	400*	800	650*	500	250*	130*	3030	1210
603	Ewan Creek	0*	0*	0*	0*	0*	0*	0	300	1700*	3100*	4500	6000*	7500	5750*	2880*	31730	12690
604	Erb Creek	0*	0*	0*	0*	0*	0*	0	2200	2200*	2150	1500	2000	1200	600*	300*	12150	4860
608	Jackpot River	0*	0*	0*	0*	0*	0*	0	30000	48330*	66660*	85000	74000*	63000	31500*	15750*	414240	103560#

* Interpolations.

Ground counts.

@ Estimate for total season.

** Not included in total.

° Based on weir count timing for 1977.

+ Partial interpolation.

= Rounded to nearest 10 fish.

Stream life factor of 4.0.

Appendix Table A. Weekly estimate of live pink salmon in Prince William Sound spawning streams, by management district, 1979 (continued).

District: Southwestern		WEEK ENDING DATES															Cum. Season Totals	Cal. EW+2.5	
Stream Number	Stream Name or Location	6/16	6/23	6/30	7/7	7/14	7/21	7/28	8/4	8/11	8/18	8/25	9/1	9/8	9/15	9/22	Cum. Weekly Totals		
610	Komkoff River	0*	0*	0*	0*	0*	0*	1200*	2100	2350*	2600	1900	780	390*	200*	100*	11620	4650	
611	Jackpot, W. Arm	0*	0*	0*	0*	0*	0*	20*	50	50*	100*	100	50*	0	0*	0*	370	150	
612	Jackpot, W. Arm	0*	0*	0*	0*	0*	0*	250*	500	400*	300*	200	100*	0	0*	0*	1750	700	
613	Jackson Creek	0*	0*	0*	250*	500*	1000	2000*	7200	8800*	10400*	12000	7100*	2200	1100*	550*	53100	21250	
621	Totemoff Creek	0*	0*	0*	0*	0*	0*	850*	1700	300*	4310	3100	2680	1200	600*	300*	15040	6020	
623	Brizgaloff Creek	0*	0*	0*	0*	0*	0*	0*	0	130*	250*	500	330*	150	80*	40*	1480	590	
630	Bainbridge Creek	0*	0*	0*	0*	80*	150	300*	4900	4280*	3660	12000	4220	7000	3500*	1750*	41840	16740	
632	Claw Creek	0*	0*	0*	0*	0*	0*	180*	350	1200*	2050	1900	770	50	30*	0*	6530	2610	
633	Pablo Creek	0*	0*	0*	250*	500*	1000	2500	3000	3340*	3670	2000	2300	1800	1200*	600*	22160	8860	
634	Whale Bay	0*	0*	0*	0*	0*	0	100	150	330*	510*	700	750*	800	400*	200*	3940	1580	
636	Whale Creek	0*	0*	0*	0*	0*	250*	500	800	800*	900*	900	530*	150	380*	190*	5400	2160	
653	Hogg Creek	0*	0*	0*	0*	0*	0*	150*	300	350*	400*	450	680*	900	450*	230*	3910	1560	
655	Johnson Creek	0*	0*	0*	0*	0*	0*	0	0	1980*	3960	4400	1270	1500	750*	380*	14240	5700	
656	Halverson Creek	0*	0*	0*	0*	0*	200*	400	400	2500*	4600	4800	770	1100	850*	430*	16050	6420	
665	Bjorne Creek	0*	0*	0*	0*	0*	0	10	600	600*	500*	500	1000*	1500	750*	380*	5840	2340	
666	O'Brien Creek	0*	0*	0*	0*	750*	1500	4100	4330	6800*	9270	8600	1900	2100	1550*	780*	41680	16670	
670	Montgomery Creek	0*	0*	0*	0*	0*	0	1750*	3500	4000*	4500*	2250*	1120*	560*	280*	140*	18100	7240	
672	Latouche, Big Bay	0*	0*	0*	0*	0*	0	250*	500	800*	400*	200*	100*	50*	0*	0*	2300	920	
673	Falls Creek	0*	0*	0*	0*	0*	0	4330*	8650	7030*	5400	3150*	900	450*	220*	110*	30240	12100	
676	Horseshoe Creek	0*	0*	0*	0*	0*	0	400	1200	1800*	2400*	3000*	1500*	750*	380*	190*	11620	4650	
677	Hayden Creek	0*	0*	0*	0*	80*	150	100	3500	3350*	3200	2040*	870	440*	220*	110*	14060	5620	
674**									1500**										
667**													3830**						
Southwestern Totals		0	0	0	500	1910	4250	19390	76380	103920	136230	156890	112800	95740	51260	25650	784920	251850	

* Interpolations.

Ground counts.

** Not included in total.

Appendix Table A. Weekly estimate of live pink salmon in Prince William Sound spawning streams, by management district, 1979 (continued).

District: Montague		WEEK ENDING DATES														Cum. Weekly Totals	Cal. Season Totals EW+2.5	
Stream Number	Stream Name or Location	6/16	6/23	6/30	7/7	7/14	7/21	7/28	8/4	8/11	8/18	8/25	9/1	9/8	9/15	9/22		
702	Point Creek	0*	0*	0*	0*	0*	0	4400	4100	4730*	5360*	6000*	3500*	1000	500*	250*	29840	11940
703	Clam Beach Creek	0*	0*	0*	0*	0*	0	10	10	40*	70*	100*	50*	30	0*	0*	310	120
707	MacLeod Creek	0*	0*	0*	0*	0*	0	3900	5100	8400*	11700*	15000*	13500*	12000	6000*	3000*	78600	31440
710	Hanning Creek	0*	0*	0*	0*	0*	0	800	1100	1730*	2360*	3000	1630*	250	130*	60*	11060	4420
711	Quadra Creek	0*	0*	0*	0*	0*	130	6500	7500	10330*	13160*	16000	10500*	5000	2500*	1200*	72820	29130
717	Montague Island, West Shore	0*	0*	0*	0*	0*	0	2000	1900	2930*	3960*	5000	2580*	150	80*	0*	18600	7440
718	Montague Island, West Shore	0*	0*	0*	0*	0*	0	200	320	2550*	4780*	7000	4250*	1500	750*	350*	21700	8680
719	Montague Island, West Shore	0*	0*	0*	0*	0*	0	100	100	2400*	4700*	7000	3600*	200	100*	50*	18250	7300
722	Glacier Stream, W. Shore, Montague I.0*	0*	0*	0*	0*	0*	0	0	0	100*	200*	300	150*	0	0*	0*	750	300
724	Glacier Stream, W. Shore, Montague I.0*	0*	0*	0*	0*	0*	0	100	150	300*	450*	600	300*	0	0*	0*	1900	760
725	Montague Island, West Shore	0*	0*	0*	0*	0*	0	200	200	800*	1400*	2000	1000*	0	0*	0*	5600	2240
726	Montague Creek	0*	0*	0*	0*	0*	0	0	0	0*	0*	0	150*	300	150*	80*	680	270
738	Russell Creek	0*	0*	0*	0*	0*	0	800	1300	2670*	4040*	5400	3950*	2500	1250*	600*	22510	9000
739	Swamp Creek	0*	0*	0*	0*	0	0	15000	16000	19000*	22000*	25000	14500*	4000	2000*	1000*	118500	47400
740	Kelez Creek	0*	0*	0*	0*	0	2000	7000	9400	9500*	9600	14000	4260	1500	750*	400*	58410	23360
741	Chalmers River	0*	0*	0*	0*	0	0	4500	8000	11670*	15340*	19000	11250*	3500	1750*	900*	75910	30360
744	Wilby Creek	0*	0*	0*	0*	0	0	2000	4800	4440*	4080	8500	1730	300	150*	80*	26080	10430
745	Wild Creek	0*	0*	0*	0*	0	0	1500	1760	4880*	8000	8000	2730	400	200*	100*	27570	11030
746	Schuman Creek	0*	0*	0*	0*	0	3000	4500	6450	6590*	6730	7500	1940	500	250*	100*	37560	15020

* Interpolations.

— Ground counts.

Appendix Table A. Weekly estimate of live pink salmon in Prince William Sound spawning streams, by management district, 1979 (continued).

District: Montague		WEEK ENDING DATES														Cum.	Cal.	
Stream Number	Stream Name or Location	6/16	6/23	6/30	7/7	7/14	7/21	7/28	8/4	8/11	8/18	8/25	9/1	9/8	9/15	9/22	Weekly Totals	Season Totals
747	Cabin Creek	0*	0*	0*	0*	0	0	900	3200	5040*	6880	9500	2880	2500	1250*	600*	32750	13100
748	Gilmour Creek	0*	0*	0*	0*	0	0	0	0	280*	550*	1100	630*	150	80*	40*	2830	1130
749	Shad Creek	0*	0*	0*	0*	0	500	1500	3010	3880*	4750	5050*	5350	2000	1000*	500*	27540	11020
752	Stockdale Creek	0*	0*	0*	0*	0	1000	5500	5100	5100*	5000*	5000	3750*	2500	1250*	600*	34800	13920
753	Stockdale Bay	0*	0*	0*	0*	0	0	100	300	930*	1560*	2200	1200*	200	100*	50*	6640	2660
754	Dry Creek	0*	0*	0*	0*	0	150*	300	500	600*	700*	800	400*	0	0*	0*	3450	1380
758	Rocky Bay, Head	0*	0*	0*	0*	0	250*	500	590	910*	1230	5000	1010	500	250*	100*	10340	4140
759	Rocky Creek	0*	0*	0*	0*	0	1100*	2200	1900	4260*	6610	8500	2540	350	180*	100*	27740	11100
766	Carr Creek	0*	0*	0*	0*	0	0*	0*	Dry	Dry*	Dry*	Dry*	Dry*	Dry	Dry*	Dry*	0	0
770	Udall Creek	0*	0*	0*	0*	0	50*	100	250	380	1500	1900	410	20	0*	0*	4610	1840
771	McKernan Creek	0*	0*	0*	0*	0	0*	0	0	130*	250*	500	250*	0	0*	0*	1130	450
774	Rosswog Creek	0*	0*	0*	0*	0	300*	600	500	1760	3000	4200	860	300	150*	80*	11750	4700
775	Pautzke Creek	0*	0*	0*	0*	0	50*	100	150	360	2050	1800	1170	200	150	80*	6110	2440
788	Green Creek	0*	0*	0*	0*	0*	600*	1200	2600*	4000*	2000*	1000*	500*	300	150*	80*	12430	4970
716**								400**										
735**													1200**					
736**													700**					
737**										3000**								
Montague Totals		0	0	0	0	0	9130	66510	86290	120690	154010	195950	102520	42150	21120	10400	808770	323490

* Interpolations.

Ground counts.

** Not included in totals.

Appendix Table A. Weekly estimate of live pink salmon in Prince William Sound spawning streams, by management district, 1979 (continued).

District: Southeastern		WEEK ENDING DATES														Cum. Weekly Totals	Cal. Season Totals	
Stream Number	Stream Name or Location	6/16	6/23	6/30	7/7	7/14	7/21	7/28	8/4	8/11	8/18	8/25	9/1	9/8	9/15	9/22		
805	Port Etches, South Shore	0*	0*	0*	0*	0	0	0	0*	0*	30*	50*	100	0	0*	0*	180	100
806	Dog Salmon Creek	0*	0*	0*	0*	0	0	10	10	300*	600	750*	900	200	100*	50*	2920	1170
807	Beaver Creek	0*	0*	0*	0*	0	0	10	10	20*	30*	40*	50	Dry	0*	0*	160	60
810	Garden Creek	0*	0*	0*	0*	0	10*	20	100	500	6650	7140*	7630	1500	750*	380*	24680	9870
812	Nuchek Creek	0*	0*	0*	3500*	7000	18000	41000	46000	44670*	43340*	42000	28500*	15000	7500*	3750*	300260	120100
815	Constantine Cr.	0*	0*	0*	4000*	8000	10000	24000	27000	41000*	55000*	69000	44500*	20000	10000*	5000*	317500	127000
817	Deer Creek	0*	0*	0*	450*	900	3000	5000	11000	12500*	14000*	15500*	17000	4500	2250*	1130*	87230	34900
818	Juanita Creek	0*	0*	0*	400*	800	2500	11000	11000	15000*	19000*	23000*	27000	7000	3500*	1750*	121950	48780
821	Brown Bear Creek	0*	0*	0*	1150*	2300	8000	22000	24000	23250*	22500*	21750*	21000	2000	1000*	500*	149450	59780
827	Captain Creek	0*	0*	0*	0*	0	100	7000	8500	8000*	7690	7100*	6500	2000	1000*	500*	48390	19360
828	Cook Creek	0*	0*	0*	3500*	7000	10500	52000	52000	47500*	43000*	38500*	34000	8000	4000*	2000*	302000	120800
829	King Creek	0*	0*	0*	0*	0	0	600	300	1150*	2000*	2850*	3700	500	250*	130*	11480	4590
831	Double Creek	0*	0*	0*	950*	1900	13000	35000	46000	38950	36980*	35000	27000	6000	3000*	1500*	245280	98110
834	Hardy Creek	0*	0*	0*	5250*	10500	45250*	80000	75000	62500*	50000*	37500*	25000	1200	600*	300*	393100	157240
835	Scott Creek	0*	0*	0*	1750*	3500	23000	48000	68000	60250*	52500*	44750*	37000	4000	2000*	1000*	345750	138300
836	Dan's Creek	0*	0*	0*	0*	0	200	350*	500	800*	1100*	1500*	750*	0	0*	0*	5200	2080
837	Widgeon Creek	0*	0*	0*	100*	200	4000	5100	7500	8170*	8840*	9500	6500*	3500	1750*	880*	56040	22420
839	Goose Creek	0*	0*	0*	0*	0	600	2400	2600*	2800*	3000*	2500	2350*	2200	1100*	550*	20100	8040
844	Makaka Creek	0*	0*	0*	280*	550*	1100	1600*	2100	2850	5660	8330*	11000	4120	2060*	1030*	40680	16270
847	Hawkins Creek	0*	0*	0*	480*	950*	1900	2000	7500	8420	19050	15780*	12500	15500	7750*	3880*	95710	38280
849	Rollins Creek	0*	0*	0*	0*	0*	0	0	0	770	1940	1870*	1800	840	420*	210*	7850	3140

* Interpolations.
Ground counts.

Appendix Table A. Weekly estimate of live pink salmon in Prince William Sound spawning streams, by management district, 1979 (continued).

District: Southeastern		WEEK ENDING DATES															Cum. Season Totals
Stream Number	Stream Name or Location	6/16	6/23	6/30	7/7	7/14	7/21	7/28	8/4	8/11	8/18	8/25	9/1	9/8	9/15	9/22	Cal. EW+2.5
850	Canoe Creek	0*	0*	0*	800*	1600*	3200	12000*	13000	10670	2760	3280*	3800	2890	1450*	1230*	56680 22670
851	Zillisenoff Creek	0*	0*	0*	0*	0*	0	0	0	20	3000	2650*	2300	2670	1750*	880*	14100 5640
856	West Lagoon Cr.	0*	0*	0*	0*	0*	0	300	400	620	380	440*	500	370	750*	380*	5270 2110
857	East Lagoon Cr.	0*	0*	0*	280*	550*	1100	300	500	550	1030	970*	800	370	180*	90*	6720 2690
858	North Lagoon Cr.	0*	0*	0*	450*	900*	1800	1200	3000	2590*	2180*	1770*	1350	120	60*	30*	15450 6180
861	Bernard Creek	0*	0*	0*	1050*	2100*	4200	3500	6500	6920*	7330	5270*	3200	2070	1040*	520*	43700 17480
862	Clamdiggers Cr.	0*	0*	0*	0*	0*	0*	0	0	200*	400*	800*	400	10	0*	0*	1810 720
863	Orca Creek	0*	0*	0*	100*	200*	400*	800	1500	1580*	1650	1580*	1500	520	260*	130*	10220 4090
800A**	Head of Boswell Bay						4000**							9000**			
800B**	Hook Point													500**			
800C**	Stream at Hook Point Cabin													1500**			
**	Lake Stream, Boswell Bay							50**&									
811**									100**								
816**									300**					900**			
833**													1800**	150**			
Southeastern Totals		0	0	0	24490	48950	151860	355190	414020	402550	411640	401170	328630	109040	54520	27800	2729860 1091970

* Interpolations.

Ground counts.

** Not included in totals.

& Also 50 reds.

Appendix Table A. Weekly estimate of live pink salmon in Prince William Sound spawning streams, by management district, 1979 (continued).

<u>District Summaries</u>		WEEK ENDING DATES													<u>Cum.</u>	<u>Cal.</u>		
<u>DISTRICT</u>		6/16	6/23	6/30	7/7	7/14	7/21	7/28	8/4	8/11	8/18	8/25	9/1	9/8	9/15	9/22	<u>Weekly Totals</u>	<u>Season Totals</u>
																	<u>EW+2.5</u>	
Eastern		0	0	23780	104980	178060	191340	340250	243010	213260	168330	181110	118240	91600	50000	25000	1928960	782420
Northern		0	0	1700	17500	45080	62490	96930	152100	138280	124430	103680	65480	28130	14070	6980	856850	223580
Coghill		0	0	1130	2250	4500	15300	33820	50610	55970	61410	69280	37820	18900	9440	4710	365140	66230
Northwestern		0	0	0	0	80	350	4450	14460	51390	88380	118980	79930	45240	22620	11280	437160	174890
Esham		0	0	150	290	380	1220	2500	2080	3110	5010	3680	2270	3460	1560	120	25830	12860
Southwestern		0	0	0	500	1910	4250	19390	76380	103920	136230	156890	112800	95740	51260	25650	784920	251850
Montague		0	0	0	0	0	9130	66510	86290	120690	154010	195950	102520	42150	21120	10400	808770	323490
Southeastern		0	0	0	24490	48950	151860	355190	414020	402550	411640	401170	328630	109040	54520	27800	2729860	1091970
PWS Grand Totals		0	0	26760	150010	278960	435940	919040	1038950	1089170	1149440	1230740	847690	434260	224590	111940	7937490	2927290

APPENDIX B

Chum salmon escapement estimates by stream, district, and calculated season total by stream and district.

A recapitulation by district, week, and season total estimated spawning escapement is given at the end of the district totals.

Appendix Table B. Weekly estimate of live chum salmon in Prince William Sound spawning streams, by management district, 1979.

District: Eastern		WEEK ENDING DATES														Cum. Weekly Totals	Cum. Season Totals	
Stream Number	Stream Name or Location	6/16	6/23	6/30	7/7	7/14	7/21	7/28	8/4	8/11	8/18	8/25	9/1	9/8	9/15	9/22	EW+2.5	
2	Hartney Creek	0*	0*	0*	0*	160*	320*	630	540*	450	250*	40	20*	10*	0*	0*	2420	970
5	Eccles Creek	0*	0*	0*	0*	0*	0*	0*	30*	50	50*	40	20*	10*	0*	0*	200	80
20	Spring Creek	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0	0*	0*	0	0
21	Rogue Creek	0*	0*	0*	0*	0*	0*	0*	0	0*	0	0	0	0	0*	0*	0	0
23	Chase River	0*	0*	0	100	300*	200*	100*	200*	100*	50*	30*	20*	0	0*	0*	1100	440
35	Koppen Creek	0*	0	250*	490*	980*	1960	2000	2640	1570*	490	200	50	0	0*	0*	10630	4250
36	Sheep River	0*	0*	0	0	0*	0*	0*	50*	100*	50*	30*	0*	0	0*	0*	230	90
46	Comfort Creek	0*	0*	0*	0*	0	0	0	0*	0*	0	0	0*	0*	0*	0*	0	0
48	Beartrap River	0*	0	230*	460*	910*	1820	1500	940	900*	850	500	270	140*	70*	40*	8630	3450
51	Olsen Creek	0*	0	70*	130*	260*	510	430*	340	260*	170	160*	140	70*	0*	0*	2540	1020
52	Control Creek	0*	0	0	100*	190*	370	200	0	10*	10	0	0	0	0*	0*	880	350
54	Carlsen Creek	0*	0*	0*	0	0*	0*	0*	0	0*	0	0	0	0	0*	0*	0	0
56	St. Matthews Cr.	0*	0*	0*	0	0*	0*	20*	40	30*	20	0	10	0	0*	0*	120	50
80	Whalen Creek	0*	0	0*	0*	110*	220	120*	20	10*	0	30*	50	30*	0*	0*	590	240
83	Keta Creek	0*	0*	0*	0*	0*	0*	0	10	20*	20	50	160	230*	300	150*	940	380
87	Sunny Creek	0*	0*	0*	0*	0	0*	0	0*	200*	400*	800	3650*	6500	5400	2700*	19650	7860
89	Fish Creek	0*	0	0*	0*	0	220	180*	130	70*	0	0	10	0	0*	0*	610	240
99	Lagoon Creek	0*	0*	0*	10	20*	30*	30*	70	210*	350*	500	650	550	280*	140*	2840	1140
116	Duck River	0*	0*	0*	0*	0	0*	0	40*	80*	150*	300	200	2000	2000*	1000*	5770	2310
117	Indian Creek	0*	0	500*	1000	4000	3500*	1800*	100	50*	30*	0	0	0	0*	0*	10980	4390
121	Levshakoff Creek	0*	0	0*	150*	300	190*	90*	40	30*	10	10*	10	0*	0*	0*	830	330
123	Gregorieff Creek	0*	0	0*	0	200	130*	50*	30	20*	0	0	0	0*	0*	0*	430	170
127	Naomoff Creek	0*	0*	0*	2000*	4000	8000*	12000	10250*	8500*	6750*	5000	2500*	1250*	660*	330*	61240	24500
129	Vlasoff Creek	0*	0*	50*	100	50*	0*	0	60*	130*	250*	500	250*	130*	70*	40*	1630	630

* Interpolations.
Ground counts.

Appendix Table B. Weekly estimate of live chum salmon in Prince William Sound spawning streams, by management district, 1979 (continued).

District: Eastern		WEEK ENDING DATES															Cum. Weekly Totals	Cal. Season Totals
Stream Number	Stream Name or Location	6/16	6/23	6/30	7/7	7/14	7/21	7/28	8/4	8/11	8/18	8/25	9/1	9/8	9/15	9/22		
131	Gorge Creek	0*	0	0*	0*	0*	30*	50*	30	20*	0	0*	0	0*	0*	0*	130	50
133	Sawmill Creek	0*	0	0*	0*	0*	30*	60*	20	20*	10*	0*	0	0*	0*	0*	140	60
143	Siwash Creek	0*	0*	0*	0*	0*	0*	2	10*	30*	50*	50*	50*	30*	20*	10*	250	100
145	Crooked Creek	0*	0*	0*	0*	0*	50*	100*	200	100*	50*	30*	10*	0*	0*	0*	540	220
148	Mineral Cr. Flats	0*	0*	0*	0	80*	150*	300	380*	460*	540*	600*	300*	150*	80*	40*	3080	1230
152	Twin Falls Creek	0*	0*	0*	0*	0	80*	150	340*	530*	720*	900	600*	300	150*	80*	3850	1540
153	Stellar Creek	0*	0	0*	0	120*	240*	470*	600	550*	490	400	350	180*	0*	0*	3400	1360
Eastern Totals		0	0	1100	4540	11730	18100	20380	17010	14450	11740	10150	9310	11580	9030	4530	143650	57450
District: Northern																		
214	Long Creek	0*	0*	0*	0*	0	750*	1500	530	720*	910*	1100	580*	50	30*	0*	6170	2470
216	Vanishing Creek	0*	0*	0*	0*	0	250*	500	0	10*	10*	10	0	0	0*	0*	780	310
217	Spring Creek	0*	0*	0*	0*	0	250*	500	250	130*	60*	0	0*	0	0*	0*	1190	480
221	Eickelberg Creek	0*	0*	0*	0*	0*	0*	0	60	40*	30	0	0	0	0*	0*	130	50
229	Cedar Creek	0*	0*	0*	0*	0*	50*	100*	210	130*	40	0	0	0	0*	0*	530	210
234	Wells River	0*	0	750*	1500	3000	8260	4990*	1720	860*	430*	0	0*	0	0*	0*	21510	8600
259	Jonah Creek	0*	0*	0*	0*	20	50	220*	380	550*	720*	900	490*	80	40*	20*	3470	1390
264	Siwash River	0*	0*	0*	0*	0	20	200*	380	620*	860*	1090	1600*	2100	1050*	530*	8450	3380
276	Black Bear Creek	0*	0*	0*	0*	0*	0*	0	10	50*	90	10	0	0	0*	0*	160	60
279	Canyon Creek	0*	0*	0*	0*	0*	0*	0*	0	30*	50*	100	50*	0	0*	0*	230	90
282	Good Creek	0*	0*	0*	0*	0*	0*	0*	0	0*	0*	0	0*	0	0*	0*	0	0
283	Bad Creek	0*	0*	0*	0*	0*	0*	0*	0	0*	0*	0	0*	0	0*	0*	0	0
Northern Totals		0	0	750	1500	3020	9630	8010	3540	3140	3200	3210	2720	2230	1120	550	42620	17040

* Interpolations.
____ Ground counts.

Appendix Table B. Weekly estimate of live chum salmon in Prince William Sound spawning streams, by management district, 1979 (continued).

District: Coghill		WEEK ENDING DATES														Cum. Weekly Totals	Cal. Season Totals	
Stream Number	Stream Name or Location	6/16	6/23	6/30	7/7	7/14	7/21	7/28	8/4	8/11	8/18	8/25	9/1	9/8	9/15	9/22		
310	Golden Lagoon	0*	0*	0*	0*	0*	0*	0*	0	0*	0*	0*	0*	0*	0*	0	0	
322	Coghill River	0*	0*	0*	0*	0*	1000*	2000	3330*	4660*	6000*	5000	2500*	1250*	660*	330*	26730	10690
414	Harrison Lagoon	0*	0*	0*	0*	0*	0*	0	0	0*	0*	0	0	0*	0*	0*	0	
421	Mill Creek	0*	0*	0*	0*	0*	0	200	550	460*	360	400	90	50*	30*	10*	2150	860
424	Old Creek	0*	0*	0*	0*	0*	0*	0*	0	0*	0*	0	0*	0*	0*	0*	0	
425	Hummer Creek	0*	0*	0*	0*	0*	0	0*	0	0*	0*	0	0*	0*	0*	0*	0	
430	Meacham Creek	0*	0*	0*	0*	0*	0	30*	60	70*	80	70*	50	30*	10*	0*	400	160
432	Swanson Creek	0*	0*	0*	0*	0*	0	180*	350	350*	350	640*	920	460*	230*	120*	3600	1440
Coghill Totals		0	0	0	0	0	1000	2410	4290	5540	6790	6110	3560	1790	930	460	32880	13150

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District: Northwestern		0*	0*	0*	0*	0*	0*	0	0	40*	70	10	20	10*	0*	0*	150	60
450	Tebenkof Creek	0*	0*	0*	0*	0*	0*	0	0	40*	70	10	20	10*	0*	0*	0	0
451	Blackstone Creek	0*	0*	0*	0*	0*	0*	0	0	0*	0*	0	0*	0*	0*	0*	0	0
454	Halferty Creek	0*	0*	0*	0*	0*	30*	50	0	0*	0*	0	0*	0*	0*	0*	80	50¢
455	Paulson Creek	0*	0*	0*	0*	0*	0*	0	0	10*	0	0	0	0*	0*	0*	20	10
458	Parks Creek	0*	0*	0*	0*	0*	0*	0*	0	0*	0*	0	0*	0*	0*	0*	0	0
469	Wickett Creek	0*	0*	0*	0*	0*	0*	0	0	10*	10	10*	0	0*	0*	0*	30	10
476	Shrode Creek	0*	0*	0*	0*	0*	0*	0*	0	0*	0*	0	0*	0*	0*	0*	0	0
479	Culross Creek	0*	0*	0*	0*	0*	100*	200	0	180*	350	200	0	0*	0*	0*	1030	410
480	Mink Creek	0*	0*	0*	0*	0*	0*	0	10	10*	0	0	0	0*	0*	0*	20	10
484	Finger Creek-East	0*	0*	0*	0*	0*	0*	0*	0	0*	0	0	0	0*	0*	0*	0	0
485	Finger Creek-West	0*	0*	0*	0*	0*	0*	0*	0	30*	30	20*	10	0*	0*	0*	90	40

* Interpolations.

Ground counts.

† Accept 50 as total season escapement.

Appendix Table B. Weekly estimate of live chum salmon in Prince William Sound spawning streams, by management district, 1979 (continued).

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District: Northwestern		WEEK ENDING DATES															Cum.	Cal.
Stream Number	Stream Name or Location	6/16	6/23	6/30	7/7	7/14	7/21	7/28	8/4	8/11	8/18	8/25	9/1	9/8	9/15	9/22	Weekly Totals	Season Totals
493	Most Creek	0*	0*	0*	0*	0*	0*	0*	0	0*	0	0	0	0*	0*	0*	0	0
495	Chimevisky Lagoon	0*	0*	0*	0*	0*	0	2500	<u>3110</u>	2720*	<u>2330</u>	600	<u>560</u>	280*	140*	70*	12310	4920
Northwestern Totals		0	0	0	0	0	130	2750	3130	3000	2790	840	590	290	140	70	13730	5510
District: Eshamny																		
506	Loomis Creek	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0	0
510	Elishansky Creek	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0	0
515	South Shore	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0	0
Eshamny Totals		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
District: Southwestern																		
604	Erb Creek	0*	0*	0*	0*	0*	0*	40*	<u>70</u>	40*	20*	0	0	0*	0*	0*	170	70
613	Jackson Creek	0*	0*	0*	0*	0*	0	0	<u>0*</u>	0*	0*	0	<u>0*</u>	0*	0*	0*	0	0
630	Bainbridge Creek	0*	0*	0*	0*	0*	0	0	0*	0*	0	0	0	0*	0*	0*	0	0
633	Pablo Creek	0*	0*	0*	0*	0*	0	0	0*	0*	<u>0*</u>	0	0	0*	0*	0*	0	0
666	O'Brien Creek	0*	0*	0*	0*	0*	0	0	<u>10</u>	10*	<u>0</u>	0	<u>0</u>	0*	0*	0*	20	10
Southwestern Totals		0	0	0	0	0	0	40	80	50	20	0	0	0	0	0	190	80

* Interpolations.

 Ground counts.

Appendix Table B. Weekly estimate of live chum salmon in Prince William Sound spawning streams, by management district, 1979 (continued).

District: Montague		WEEK ENDING DATES														Cum. Weekly Totals	Cal. Season Totals EW+2.5	
Stream Number	Stream Name or Location	6/16	6/23	6/30	7/7	7/14	7/21	7/28	8/4	8/11	8/18	8/25	9/1	9/8	9/15	9/22		
707	MacLeod Creek	0*	0*	0*	0*	0*	0*	0	0	0*	0*	0*	0*	0	0*	0*	0	0
710	Hanning Creek	0*	0*	0*	0*	0*	0*	0	0	0*	0*	0	0*	0	0*	0*	0	0
711	Quadra Creek	0*	0*	0*	0*	0*	0*	0	0	0*	0*	0	0*	0	0*	0*	0	0
726	Montague Creek	0*	0*	0*	0*	0*	0*	0	0	0*	0*	0	0*	0	0*	0*	0	0
738	Russell Creek	0*	0*	0*	0*	0	0*	0	0	0*	0*	0	0*	0	0*	0*	0	0
739	Swamp Creek	0*	0*	0*	0*	0	0*	0	0	0*	0	0	0	0	0*	0*	0	0
741	Chalmers River	0*	0*	0*	0*	0	0*	0	0	0*	0*	0	0*	0	0*	0*	0	0
745	Wild Creek	0*	0*	0*	0*	0	0*	0	0	0*	0	0	0*	0	0*	0*	0	0
746	Schuman Creek	0*	0*	0*	0*	0	0*	0	0	0*	0	0	0	0	0*	0*	0	0
747	Cabin Creek	0*	0*	0*	0*	0	0*	0	0	0*	0	0	0	0	0*	0*	0	0
770	Udall Creek	0*	0*	0*	0*	0	0*	0	0	0	0	0	0	0	0*	0*	0	0
775	Pautzke Creek	0*	0*	0*	0*	0	0*	0	0	0	0	0	0	0	0*	0*	0	0
Montague Totals		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

* Interpolations.

Ground counts.

Appendix Table B. Weekly estimate of live chum salmon in Prince William Sound spawning streams, by management district, 1979 (continued).

District: Southeastern		WEEK ENDING DATES															Cum.	Cal.
Stream Number	Stream Name or Location	6/16	6/23	6/30	7/7	7/14	7/21	7/28	8/4	8/11	8/18	8/25	9/1	9/8	9/15	9/22	Weekly Totals	Season EW+2.5
806	Dog Salmon Creek	0*	0*	0*	0*	0	0	0	0*	0	0	0*	0	0	0*	0*	0	0
810	Garden Creek	0*	0*	0*	0*	0	0*	0	0*	0	60	100*	150	80*	40*	20*	450	180
812	Nuchek Creek	0*	0*	0*	0*	0	0*	0	0*	0	0	30*	50	30*	20*	10*	140	60
815	Constantine Cr.	0*	0*	0*	0*	0	1000	3000	3000	1970	160	320*	470	240*	120*	60*	10340	4140
821	Brown Bear Creek	0*	0*	0*	0*	0	0*	0	0*	0*	0*	0*	0*	0	0*	0*	0	0
828	Cook Creek	0*	0*	0*	0*	0	0*	0	50*	90	0	0*	0	0	0*	0*	140	60
831	Double Creek	0*	0*	0*	0*	0	0*	0	0*	0	0	0*	0*	0	0*	0*	0	0
834	Hardy Creek	0*	0*	0*	0*	0	0*	0	0*	0*	0*	0*	0*	0	0*	0*	0	0
835	Scott Creek	0*	0*	0*	0*	0	0*	0	0*	0*	0*	0*	0*	0	0*	0*	0	0
839	Goose Creek	0*	0*	0*	0*	0	0*	0	0*	0*	0*	0*	0*	0	0*	0*	0	0
850	Canoe Creek	0*	0*	0*	0*	0*	0*	0	10*	10	0	0*	0*	0	0*	0*	20	10
Southeastern Totals		0	0	0	0	0	1000	3000	3060	2070	220	450	670	350	180	90	11090	4450

* Interpolations.
Ground counts.

Appendix Table B. Weekly estimate of live chum salmon in Prince William Sound spawning streams, by management district, 1979 (continued).

<u>District Summaries</u>		WEEK ENDING DATES													<u>Cum.</u>	<u>Cal.</u>		
<u>DISTRICT</u>		<u>6/16</u>	<u>6/23</u>	<u>6/30</u>	<u>7/7</u>	<u>7/14</u>	<u>7/21</u>	<u>7/28</u>	<u>8/4</u>	<u>8/11</u>	<u>8/18</u>	<u>8/25</u>	<u>9/1</u>	<u>9/8</u>	<u>9/15</u>	<u>9/22</u>	<u>Weekly Totals</u>	<u>Season Totals</u>
																	<u>EW+2.5</u>	
Eastern		0	0	1100	4540	11730	18100	20380	17010	14450	11740	10150	9310	11580	9030	4530	143650	57450
Northern		0	0	750	1500	3020	9630	8010	3540	3140	3200	3210	2720	2230	1120	550	42620	17040
Coghill		0	0	0	0	0	1000	2410	4290	5540	6790	6110	3560	1790	930	460	32880	13150
Northwestern		0	0	0	0	0	130	2750	3130	3000	2790	840	590	290	140	70	13730	5510
Eshamby		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Southwestern		0	0	0	0	0	0	40	80	50	20	0	0	0	0	0	190	80
Montague		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Southeastern		0	0	0	0	0	1000	3000	3060	2070	220	450	670	350	180	90	11090	4450
PWS Grand Totals		0	0	1850	6040	14750	29860	36590	31110	28250	24760	20760	16850	16240	11400	5700	244160	97680

APPENDIX C

Pink and chum salmon pre-emergent fry indices by stream, date, and sample zones.

Appendix Table C. Brood year 1979 pink and chum salmon pre-emergent fry data, by stream name and number, date sampled, sample zone, and sample effort, Prince William Sound, 1980.

Stream name, number, date and sample zone	PINK SALMON					CHUM SALMON					Square Feet
	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	
Humpback Creek											
#011											
03/31/80											
N8'-10'	0	1	0	0	1	0	0	0	0	0	10
N10'-12'	0	421	5	0	426	0	0	0	0	0	10
CIT Total 1/	0	422	5	0	427	0	0	0	0	0	20
06'-8'	0	100	0	0	100	0	0	0	0	0	10
08'-10'	0	0	2	0	2	0	0	0	0	0	10
010'-12'	0	8	1	0	9	0	0	0	0	0	10
OUPST 2/	0	597	40	0	637	0	0	0	0	0	20
OUPST	0	1882	90	0	1972	0	0	0	0	0	20
CUPST TOTAL 3/	0	2587	133	0	2720	0	0	0	0	0	70
Total	0	3009	138	0	3147	0	0	0	0	0	90
Koppen Creek											
#035											
03/17/80											
N6'-8'	0	1	0	0	1	0	0	0	0	0	20
N8'-10'	0	417	100	1	518	0	5	0	0	5	20
N10'-12'	0	511	1050	0	1561	0	1	0	0	1	20
CIT Total	0	929	1150	1	2080	0	6	0	0	6	60
08'-10'	0	136	90	0	226	0	59	10	0	69	20
010'-12'	0	7	0	0	7	0	1	0	0	1	20
OUPST	0	153	130	0	283	0	0	0	0	0	12
OUPST	0	286	151	1	438	0	0	0	0	0	12
OUPST	0	916	0	2	918	0	0	0	0	0	12
OUPST Total	0	1355	281	3	1639	0	0	0	0	0	36
CUPST Total	0	1498	371	3	1872	0	60	10	0	70	76
Total	0	2427	1521	4	3952	0	66	10	0	76	136

1/ CIT = Current Intertidal

2/ OUPST = Old Upstream

3/ CUPST = Current Upstream

Appendix Table C. Brood year 1979 pink and chum salmon pre-emergent fry data, by stream name and number, date sampled, sample zone, and sample effort, Prince William Sound, 1980 (continued).

Stream name, number, date and sample zone	PINK SALMON					CHUM SALMON					Square Feet
	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	
Control Creek											
#052											
03/18/80											
N6'-8'	0	37	411	0	448	0	0	0	0	0	12
N8'-10'	0	484	9	0	493	0	0	0	0	0	12
N10'-12'	0	89	69	0	158	0	0	0	0	0	12
CIT Total	0	610	489	0	1099	0	0	0	0	0	36
06'-8'	0	2786	4	0	2790	0	18	0	0	18	16
08'-10'	0	1554	5	0	1559	0	98	0	0	98	16
010'-12'	0	1753	201	0	1954	0	0	30	0	30	16
OUPST	0	641	391	0	1032	0	0	0	0	0	20
CUPST Total	0	6734	601	0	7335	0	116	30	0	146	68
Total	0	7344	1090	0	8434	0	116	30	0	146	104
Whalen Creek											
#080											
03/18/80											
N6'-8'	0	0	0	0	0	0	0	0	0	0	16
N8'-10'	0	0	0	0	0	0	0	0	0	0	8
N10'-12'	0	9	211	0	220	0	0	0	0	0	8
CIT Total	0	9	211	0	220	0	0	0	0	0	32
010'-12'	0	63	352	0	415	0	0	0	0	0	8
OUPST	0	36	1178	0	1214	0	0	0	0	0	16
OUPST	0	8	540	0	548	0	0	0	0	0	14
OUPST Total	0	44	1718	0	1762	0	0	0	0	0	30
CUPST Total	0	107	2070	0	2177	0	0	0	0	0	38
Total	0	116	2281	0	2397	0	0	0	0	0	70
Sunny River											
#087											
03/19/80											
N6'-8'	0	55	0	0	55	0	42	0	2	44	8
N8'-10'	0	22	0	0	22	0	1116	40	0	1156	8
N8'-10'	0	30	0	0	30	0	512	25	1	538	8
N10'-12'	0	12	1	0	13	0	165	0	0	165	8
N10'-12'	0	1	3	0	4	0	0	0	0	0	8
N10'-12'	0	0	0	0	0	0	0	0	3	0	8
CIT Total	0	120	4	0	124	0	1835	65	3	1903	48

Appendix Table C. Brood year 1970 pink and chum salmon pre-emergent fry data, by stream name and number, date sampled, sample zone, and sample effort, Prince William Sound, 1980 (continued).

Stream name, number, date and sample zone	PINK SALMON					CHUM SALMON					Square Feet
	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	
Gladhough Creek											
#106											
03/19/80											
06'-8'	0	0	0	0	0	0	0	0	0	0	10
.08'-10'	0	0	0	0	0	0	0	0	0	0	10
010'-12'	0	585	0	0	585	0	0	0	0	0	10
CIT Total	0	585	0	0	585	0	0	0	0	0	30
OUPST	0	0	100	0	100	0	0	0	0	0	10
Total	0	585	100	0	685	0	0	0	0	0	40
Duck River											
#116											
03/20/80											
R6'-8'	0	316	50	0	366	0	29	1	33	63	8
L6'-8'	0	227	19	0	246	0	0	0	0	0	8
Subtotal	0	543	69	0	612	0	29	1	33	63	16
R8'-10'	0	1310	4	0	1314	0	58	0	0	58	10
L8'-10'	0	620	5	0	625	0	2	0	0	2	8
Subtotal	0	1930	9	0	1939	0	60	0	0	60	18
R10'-12'	0	793	0	0	793	0	33	0	2	35	8
L10'-12'	0	540	7	0	547	0	22	0	0	22	8
Subtotal	0	1333	7	0	1340	0	55	0	2	57	16
CIT Subtotal	0	3806	85	0	3891	0	144	1	35	180	50
R UPST	0	1379	16	0	1395	0	254	0	12	266	8
L UPST	0	1208	12	0	1220	0	19	0	0	19	8
H UPST	0	641	515	14	1170	0	8	0	5	13	8
OUPST Total	0	3228	543	14	3785	0	281	0	17	298	24
Total	0	7034	628	14	7676	0	425	1	52	478	74
Indian Creek											
#117											
03/19/80											
06'-8'	0	3	7	0	10	0	0	0	0	0	20
08'-10'	0	371	76	0	447	0	103	0	0	103	20
010'-12'	0	1493	40	0	1533	0	528	0	0	528	20
CIT Total	0	1867	123	0	1990	0	631	0	0	631	60
OUPST	0	2901	0	0	2901	0	1423	0	0	1423	20
Total	0	4768	123	0	4891	0	2054	0	0	2054	80

Appendix Table C. Brood year 1979 pink and chum salmon pre-emergent fry data, by stream name and number, date sampled, sample zone, and sample effort, Prince William Sound, 1980 (continued).

Stream name, number, date and sample zone	PINK SALMON					CHUM SALMON					Square Feet
	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	
Gregorieff Creek #123 03/20/80	0	0	0	0	0	0	0	0	0	0	16
06'-8'	0	4	0	0	4	0	0	0	0	0	16
08'-10'	0	492	0	0	492	0	130	0	0	130	16
010'-12'	0	496	0	0	496	0	130	0	0	130	48
CIT Total	0	2	0	0	2	0	0	0	0	0	16
OUPST	0	498	0	0	498	0	130	0	0	130	64
Total	0	498	0	0	498	0	130	0	0	130	
Gorge Creek #131 03/21/80	0	20	0	0	20	0	43	0	0	43	10
06'-8'	0	2	0	0	2	0	0	0	0	0	14
08'-10'	0	573	0	0	573	0	153	0	0	153	16
010'-12'	0	595	0	0	595	0	196	0	0	196	40
Sawmill Creek #133 03/20/80	0	46	0	0	46	0	0	0	0	0	10
06'-8'	0	100	7	0	107	0	0	0	0	0	10
08'-10'	0	391	0	0	391	0	185	0	0	185	10
010'-12'	0	537	7	0	544	0	185	0	0	185	30
CIT Total	0	254	0	0	254	0	0	0	0	0	10
OUPST	0	791	7	0	798	0	185	0	0	185	40

Appendix Table C. Brood year 1979 pink and chum salmon pre-emergent fry data, by stream name and number, date sampled, sample zone, and sample effort, Prince William Sound, 1980 (continued).

Stream name, number, date and sample zone	PINK SALMON					CHUM SALMON					Square Feet
	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	
Stellar Creek #153 03/21/80	0	8	0	0	8	0	0	0	0	0	12
N6'-8'	0	0	340	0	340	0	0	0	0	0	14
N8'-10'	0	225	186	1	412	0	0	0	0	0	14
N10'-12'	0	38	0	0	38	0	279	15	10	304	12
CIT Total	0	271	526	1	798	0	279	15	10	304	52
OUPST	0	1334	0	0	1334	0	3	0	0	3	16
OUPST	0	962	8	0	970	0	0	0	0	0	16
CUPST Total	0	2296	8	0	2304	0	3	0	0	3	32
Total	0	2567	534	1	3102	0	282	15	10	307	84
Unakwik Creek #265 03/21/80	0	29	0	0	29	0	0	0	0	0	20
N6'-8'	0	3	0	0	3	0	0	0	0	0	20
N10'-12'	0	0	0	0	0	0	0	0	0	0	10
Total	0	32	0	0	32	0	0	0	0	0	50
Blackbear Creek #276 03/22/80	0	0	0	0	0	0	0	0	0	0	8
N6'-8'	0	0	10	0	10	0	0	0	0	0	8
N10'-12'	0	0	0	0	0	0	71	0	0	71	8
CIT Total	0	0	10	0	10	0	71	0	0	71	24
NUPST 4/	0	0	0	0	0	0	32	5	0	37	10
Total	0	0	10	0	10	0	103	5	0	108	34

4/ NUPST = New Upstream

Appendix Table C. Brood year 1979 pink and chum salmon pre-emergent fry data, by stream name and number, date sampled, sample zone, and sample effort, Prince William Sound, 1980 (continued).

Stream name, number, date and sample zone	PINK SALMON					CHUM SALMON					Square Feet
	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	
Coghill River											
#322											
03/22/80											
N5'	0	3	0	0	3	0	0	0	0	0	16
N5'	0	0	0	0	0	0	0	0	0	0	14
CIT Total	0	3	0	0	3	0	0	0	0	0	30
OUPST	0	3166	1058	150	4374	0	0	0	0	0	40
OUPST	0	2354	675	82	3111	0	0	0	0	0	40
OUPST	0	900	1058	160	2118	0	0	0	0	0	40
CUPST Total	0	6420	2791	392	9603	0	0	0	0	0	120
Total	0	6423	2791	392	9606	0	0	0	0	0	150
Mill Creek											
#421											
03/23/80											
N6'-8'	0	175	0	0	175	0	8	0	0	8	16
N8'-10'	0	5	0	0	5	0	611	0	0	611	16
N10'-12'	0	170	40	0	210	0	0	0	0	0	16
CIT Total	0	350	40	0	390	0	619	0	0	619	48
NUPST	Snow Covered										(12)
Total	0	350	40	0	390	0	619	0	0	619	48(60)
Meacham Creek											
#430											
03/23/80											
N6'-8'	0	6	1	0	7	0	0	0	0	0	16
N8'-10'	0	1	12	0	13	0	0	0	0	0	8
N8'-10'	0	389	75	0	464	0	0	0	0	0	12
N11'	0	66	55	0	121	0	0	0	0	0	8
N12'	0	760	46	0	806	0	251	0	0	251	16
CIT Total	0	1222	189	0	1411	0	251	0	0	251	60
NUPST	0	131	330	0	461	0	0	0	0	0	12
NUPST	0	1851	0	0	1851	0	0	0	0	0	10
CUPST Total	0	1982	330	0	2312	0	0	0	0	0	22
Total	0	3204	519	0	3723	0	251	0	0	251	82

Appendix Table C. Brood year 1979 pink and chum salmon pre-emergent fry data, by stream name and number, date sampled, sample zone, and sample effort, Prince William Sound, 1980 (continued).

Stream name, number, date and sample zone	PINK SALMON					CHUM SALMON					Square Feet
	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	
Paulson Creek #455											
03/23/80											
N6'-8'	0	1	0	0	1	0	0	0	0	0	12
N8'-10'	0	61	0	0	61	0	0	0	0	0	20
N10'-12'	0	205	3	1	209	0	0	0	0	0	12
CIT Total	0	267	3	1	271	0	0	0	0	0	44
NUPST	Snow Covered										(12)
Total	0	267	3	1	271	0	0	0	0	0	44(56)
Mink Creek #480											
03/24/80											
06'-8'	0	146	248	0	394	0	0	0	0	0	20
08'-10'	0	483	97	0	580	0	0	0	0	0	20
010'-12'	0	1456	4	0	1460	0	0	0	0	0	20
CIT Total	0	2085	349	0	2434	0	0	0	0	0	60
OUPST	Snow Covered										(20)
Total	0	2085	349	0	2434	0	0	0	0	0	60(80)
Erb Creek #604											
03/24/80											
N6'-8'	0	0	0	0	0	0	0	0	0	0	8
N8'-10'	0	146	99	0	245	0	0	0	0	0	16
N10'-12'	0	76	34	0	110	0	0	0	0	0	8
CIT Total	0	222	133	0	355	0	0	0	0	0	32
NUPST	0	234	25	0	259	0	4	0	0	4	8
Total	0	456	158	0	614	0	4	0	0	4	40

Appendix Table C. Brood year 1979 pink and chum salmon pre-emergent fry data, by stream name and number, date sampled, sample zone, and sample effort, Prince William Sound, 1980 (continued).

Stream name, number, date and sample zone	PINK SALMON					CHUM SALMON					Square Feet
	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	
Totemoff Creek #621 03/24/80											
N6'-8'	0	1	31	0	32	0	0	0	0	0	8
N8'-10'	0	15	29	0	44	0	0	0	0	0	12
N10'-12'	0	552	10	0	562	0	0	0	0	0	12
CIT Total	0	568	70	0	638	0	0	0	0	0	32
NUPST	0	774	466	4	1244	0	0	0	0	0	12
Total	0	1342	536	4	1882	0	0	0	0	0	44
Bainbridge Creek #630 03/25/80											
N8'-10'	0	0	12	0	12	0	0	0	0	0	16
N10-12'	0	1208	112	0	1320	0	0	0	0	0	16
CIT Total	0	1208	124	0	1332	0	0	0	0	0	32
O10'-12'	0	262	70	16	348	0	0	0	0	0	20
OUPST	0	314	0	139	453	0	0	0	0	0	14(28)
CUPST Total	0	576	70	155	801	0	0	0	0	0	34(48)
Total	0	1784	194	155	2133	0	0	0	0	0	66(80)
Claw Creek #632 03/25/80											
N6'-8'	0	0	0	0	0	0	0	0	0	0	8
N8'-10'	0	321	5	0	326	0	0	0	0	0	8
N10'-12'	0	192	10	0	202	0	0	0	0	0	8
CIT Total	0	513	15	0	528	0	0	0	0	0	24
NUPST	0	505	0	0	505	0	0	0	0	0	8
Total	0	1018	15	0	1033	0	0	0	0	0	32

Appendix Table C. Brood year 1979 pink and chum salmon pre-emergent fry data, by stream name and number, date sampled, sample zone, and sample effort, Prince William Sound, 1980 (continued).

Stream name, number, date and sample zone	PINK SALMON					CHUM SALMON					Square Feet
	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	
Falls Creek											
#673											
03/25/80											
N6'-8'	0	5	0	0	5	0	0	0	0	0	16
N8'-10'	0	217	0	0	217	0	0	0	0	0	16
N10'-12'	0	223	0	0	223	0	0	0	0	0	16
CIT Total	0	445	0	0	445	0	0	0	0	0	48
NUPST	0	3	57	0	60	0	0	0	0	0	24
Total	0	448	57	0	505	0	0	0	0	0	72
Hayden Creek											
#677											
03/25/80											
N6'-8'	0	184	0	0	184	0	0	0	0	0	10
N8'-10'	0	8	0	0	8	0	0	0	0	0	10
N10'-12'	0	1	0	0	1	0	0	0	0	0	10
CIT Total	0	193	0	0	193	0	0	0	0	0	30
NUPST	0	1	0	0	1	0	0	0	0	0	12
Total	0	194	0	0	194	0	0	0	0	0	42
McLeod Creek											
#707											
03/26/80											
N6'-8'	0	0	0	0	0	0	0	0	0	0	10
N8'-10'	0	0	0	0	0	0	0	0	0	0	10
N10'-12'	0	0	0	0	0	0	0	0	0	0	10
CIT Total	0	0	0	0	0	0	0	0	0	0	30
NUPST	0	0	0	0	0	0	0	0	0	0	10
NUPST	0	0	0	0	0	0	0	0	0	0	10
06'-8'	0	0	0	0	0	0	0	0	0	0	10
08'-10'	0	0	0	0	0	0	0	0	0	0	10
010'-12'	0	12	65	0	77	0	0	0	0	0	10
OUPST	0	0	0	0	0	0	0	0	0	0	10
CUPST Total	0	12	65	0	77	0	0	0	0	0	60
Total	0	12	65	0	77	0	0	0	0	0	90

Appendix Table C. Brood year 1979 pink and chum salmon pre-emergent fry data, by stream name and number, date sampled, sample zone, and sample effort, Prince William Sound, 1980 (continued).

Stream name, number, date and sample zone	PINK SALMON					CHUM SALMON					Square Feet
	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	
Wilby Creek #744 04/03/80	0	0	0	0	0	0	0	0	0	0	8
N6'-8'	0	0	0	0	0	0	0	0	0	0	8
N8'-10'	0	1	1	0	2	0	0	0	0	0	8
N10'-12'	0	0	0	0	0	0	0	0	0	0	8
CIT Total	0	1	1	0	2	0	0	0	0	0	24
NUPST	0	0	1	0	1	0	0	0	0	0	24
Total	0	1	2	0	3	0	0	0	0	0	48
Cabin Creek #747 04/30/80	0	20	291	0	311	0	0	0	0	0	20
N8'-10'	0	5	172	0	177	0	0	0	0	0	20
N10'-12'	0	25	463	0	488	0	0	0	0	0	20
CIT Total	0	290	695	0	985	0	0	0	0	0	40
NUPST	0	315	1158	0	1473	0	0	0	0	0	20
Total	0	315	1158	0	1473	0	0	0	0	0	60
Shad Creek #749 04/03/80	0	0	0	0	0	0	0	0	0	0	8
N6'-8'	0	0	0	0	0	0	0	0	0	0	16
N8'-10'	0	0	0	0	0	0	0	0	0	0	16
N10'-12'	0	0	0	0	0	0	0	0	0	0	40
CIT Total	0	0	0	0	0	0	0	0	0	0	10
O6'-8'	0	0	0	0	0	0	0	0	0	0	10
O8'-10'	0	0	0	0	0	0	0	0	0	0	10
OUPST	0	0	81	0	81	0	0	0	0	0	10
CUPST Total	0	0	0	0	0	0	0	0	0	0	10
Total	0	0	81	0	81	0	0	0	0	0	30
											70

Appendix Table C. Brood year 1979 pink and chum salmon pre-emergent fry data, by stream name and number, date sampled, sample zone, and sample effort, Prince William Sound, 1980 (continued).

Stream name, number, date and sample zone	PINK SALMON					CHUM SALMON					Square Feet
	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	
Pautzke Creek #775											
04/03/80											
N6'-8'	0	5	0	0	5	0	0	0	0	0	10
N8'-10'	0	1076	27	0	1103	0	0	0	0	0	16
N10'-12'	0	1128	15	0	1143	0	0	0	0	0	14
Total	0	2209	42	0	2251	0	0	0	0	0	40
Constantine Creek #815											
04/02/80											
N9'	0	136	4	0	140	0	0	0	0	0	10(20)
N10'	0	0	0	0	0	0	0	0	0	0	10(20)
N11'	0	2	70	0	72	0	0	0	0	0	10(20)
N12'	0	81	1	0	82	0	0	0	0	0	14(20)
N13'	0	0	68	0	68	0	0	0	0	0	10(20)
CIT Total	0	219	143	0	362	0	0	0	0	0	54(100)
06'-8'	0	4	102	3	109	0	0	0	0	0	10(20)
08'-10'	0	1309	260	20	1589	0	0	0	0	0	20
010'-12'	0	906	590	445	1941	0	0	0	0	0	20
OUPST	0	321	23	7	351	0	0	0	0	0	10(20)
CUPST Total	0	2540	975	475	3990	0	0	0	0	0	60(80)
Total	0	2759	1118	475	4352	0	0	0	0	0	114(180)
Cook Creek #828											
04/02/80											
N8'-10'	0	1	955	0	956	0	0	0	0	0	16
N10'-12'	0	0	10	0	10	0	0	0	0	0	8
CIT Total	0	1	965	0	966	0	0	0	0	0	24
06'-8'	0	187	164	0	351	0	0	0	0	0	8
08'-10'	High Water										0(8)
010'-12'	0	10	320	0	330	0	0	0	0	0	12(24)
OUPST	0	291	30	0	321	0	0	0	0	0	8(24)
CUPST Total	0	488	514	0	1002	0	0	0	0	0	28(64)
Total	0	489	1479	0	1968	0	0	0	0	0	52(88)

Appendix Table C. Brood year 1979 pink and chum salmon pre-emergent fry data, by stream name and number, date sampled, sample zone, and sample effort, Prince William Sound, 1980 (continued).

Stream name, number, date and sample zone	PINK SALMON					CHUM SALMON					Square Feet
	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	Live Eggs	Live Fry	Dead Eggs	Dead Fry	Total	
Canoe Creek											
#850											
04/01/80											
N6'-8'	0	31	10	0	41	0	0	0	0	0	10
N8'-10'	0	6	26	0	32	0	0	0	0	0	10
N10'-12'	0	102	200	0	302	0	0	0	0	0	10
CIT Total	0	139	236	0	375	0	0	0	0	0	30
O10'-12'	0	305	76	0	381	0	0	0	0	0	10
OUPST	0	288	50	0	338	0	0	10	0	10	8
OUPST	0	818	90	0	908	0	0	0	0	0	24
CUPST Total	0	1411	216	0	1627	0	0	10	0	10	42
Total	0	1550	452	0	2002	0	0	10	0	10	72
Bernard Creek											
#861											
03/31/80											
N6'-8'	0	2	50	0	52	0	0	0	0	0	16
N8'-10'	0	481	120	0	601	0	0	0	0	0	16
N10'-12'	0	954	12	0	966	0	0	0	0	0	16
CIT Total	0	1437	182	0	1619	0	0	0	0	0	48
O8'-10'	0	688	401	0	1089	0	0	0	0	0	16
O10'-12'	0	381	100	5	486	0	0	0	0	0	16
OUPST	0	380	55	0	435	0	0	0	0	0	12
OUPST	0	55	20	0	75	0	0	0	0	0	12
OUPST	0	101	150	0	251	0	0	0	0	0	12
CUPST Total	0	1605	726	5	2336	0	0	0	0	0	68
Total	0	3042	908	5	3955	0	0	0	0	0	116

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